

WHAT IS CLAIMED IS:

1. An electronic ticket issuing system, comprising:

a mobile terminal including a storage for storing an electronic ticket;

a ticket issuing center;

5 an authentication department; and

an authentication terminal, wherein:

the mobile terminal, the ticket issuing center, the authentication department, and the authentication terminal are connected to each other via a network, and the authentication terminal is connected to the mobile terminal to perform authentication between a ticket buyer and an electronic ticket;

first biological information which indicates unique physical characteristics of the ticket buyer is registered in advance in the authentication department;

15 the mobile terminal transmits a request for ticket purchase to the ticket issuing center;

the ticket issuing center transmits a request for issue of an electronic certificate to the authentication department to request the authentication department to issue an electronic certificate which corresponds to the request for ticket purchase transmitted from the mobile terminal and which validates the ticket buyer;

20 the authentication department creates an electronic certificate including the pre-registered first biological information on the basis of the request for issue of an electronic certificate transmitted from the ticket issuing center, and transmits the electronic certificate to the ticket issuing center;

the ticket issuing center creates an electronic ticket to which the electronic certificate transmitted from the authentication department is added, and transmits the electronic ticket to the mobile terminal; and

30 the mobile terminal stores the electronic ticket transmitted from the ticket issuing center in the storage.

2. An electronic ticket issuing system as claimed in claim 1, wherein:

 at the time of authentication, the mobile terminal transmits the electronic ticket stored in the storage to the authentication terminal;

5 second biological information which indicates unique physical characteristics of the ticket buyer is input into the authentication terminal; and

 the authentication terminal performs authentication by comparing the first biological information added to the electronic ticket
10 with the second biological information, and outputs a corresponding authentication result.

3. An electronic ticket issuing system as claimed in claim 1, comprising:

 in place of the mobile terminal, an information terminal which includes a storage removable from the information terminal for storing
5 the electronic ticket and which is connected to a biological information generating section for generating the first biological information, wherein:

 at the time of ticket purchase, the biological information generating section generates the first biological information and
10 transmits the first biological information to the authentication department; and

 the authentication department creates the electronic certificate including the first biological information transmitted from the information terminal on the basis of the request for issue of an electronic
15 certificate transmitted from the ticket issuing center, and transmits the

electronic certificate to the ticket issuing center.

4. An electronic ticket issuing system as claimed in claim 3, wherein:

at the time of authentication, the electronic ticket is input from the removable storage into the authentication terminal.

5. An electronic ticket issuing method performed in an electronic ticket issuing system which comprises a mobile terminal including a storage for storing an electronic ticket, a ticket issuing center, an authentication department, and an authentication terminal, wherein
5 the mobile terminal, the ticket issuing center, the authentication department, and the authentication terminal are connected to each other via a network, and wherein the authentication terminal is connected to the mobile terminal to perform authentication between a ticket buyer and an electronic ticket, comprising:

10 a first step of registering in advance first biological information which indicates unique physical characteristics of a ticket buyer in the authentication department;

a second step of transmitting a request for ticket purchase from the mobile terminal to the ticket issuing center;

15 a third step of transmitting a request for issue of an electronic certificate from the ticket issuing center to the authentication department to request the authentication department to issue an electronic certificate which corresponds to the request for ticket purchase transmitted from the mobile terminal and which validates the ticket
20 buyer;

a fourth step of creating an electronic certificate including the pre-registered first biological information on the basis of the request for issue of an electronic certificate transmitted from the ticket issuing

center, and transmitting the electronic certificate from the
25 authentication department to the ticket issuing center;

a fifth step of creating an electronic ticket to which the
electronic certificate transmitted from the authentication department is
added, and transmitting the electronic ticket from the ticket issuing
center to the mobile terminal; and

30 a sixth step of storing the electronic ticket transmitted from
the ticket issuing center in the storage of the mobile terminal.

6. An electronic ticket issuing method as claimed in claim 5,
further including:

a seventh step of transmitting, at the time of authentication,
the electronic ticket stored in the storage from the mobile terminal to the
5 authentication terminal;

an eighth step of inputting second biological information which
indicates unique physical characteristics of the ticket buyer into the
authentication terminal; and

a ninth step of performing authentication by comparing the
10 first biological information added to the electronic ticket with the second
biological information, and outputting a corresponding authentication
result.

7. An electronic ticket issuing method as claimed in claim 5,
which is performed in an electronic ticket issuing system comprising, in
place of the mobile terminal, an information terminal which includes a
storage removable from the information terminal for storing the
5 electronic ticket and which is connected to a biological information
generating section for generating the first biological information,
wherein:

in the first step, the first biological information is generated in

the biological information generating section connected to the
10 information terminal, and transmitted to the authentication department
at the time of ticket purchase; and

in the fourth step, the electronic certificate including the first
biological information transmitted from the information terminal is
created on the basis of the request for issue of an electronic certificate
15 transmitted from the ticket issuing center, and transmitted from the
authentication department to the ticket issuing center.

8. An electronic ticket issuing method as claimed in claim 7,
wherein:

in the seventh step, the electronic ticket is input from the
removable storage into the authentication terminal at the time of
5 authentication.